

FIG.1

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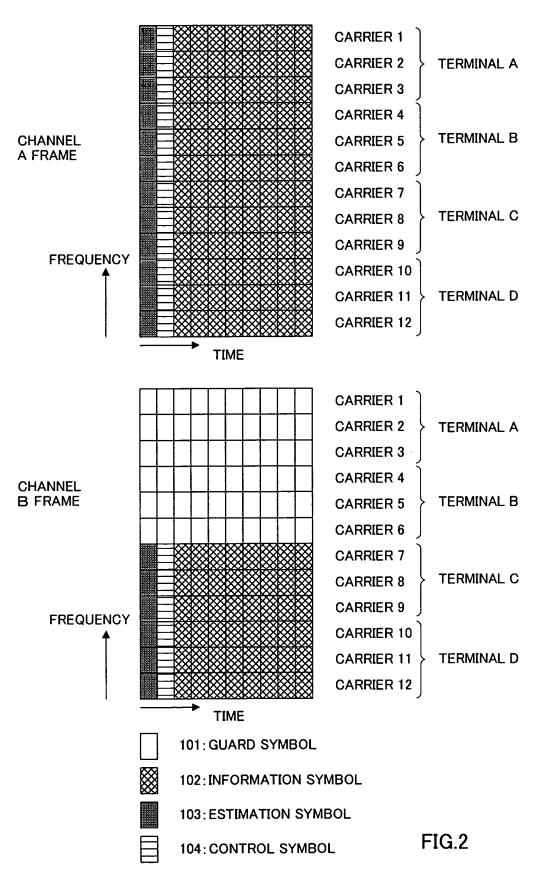


FIG.

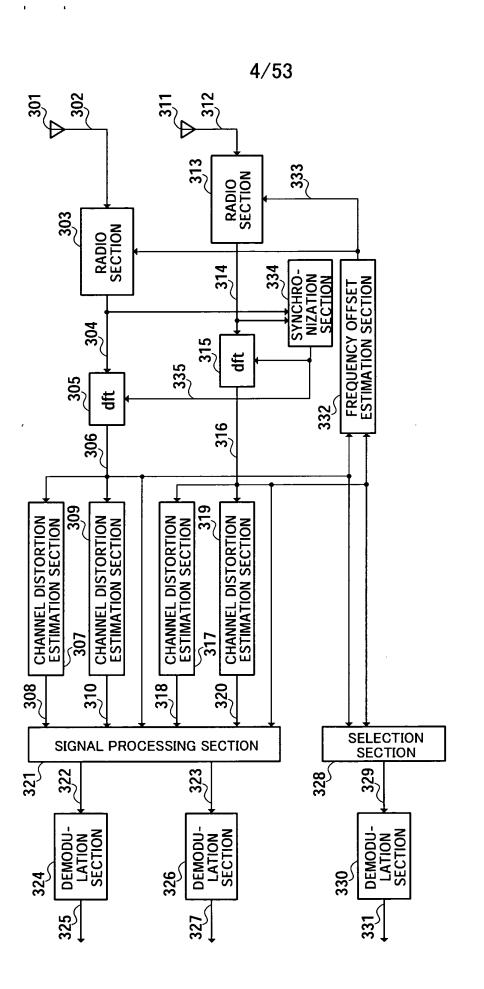


FIG.4

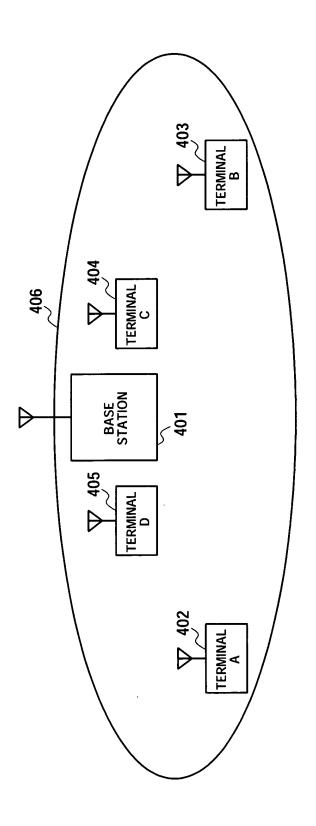
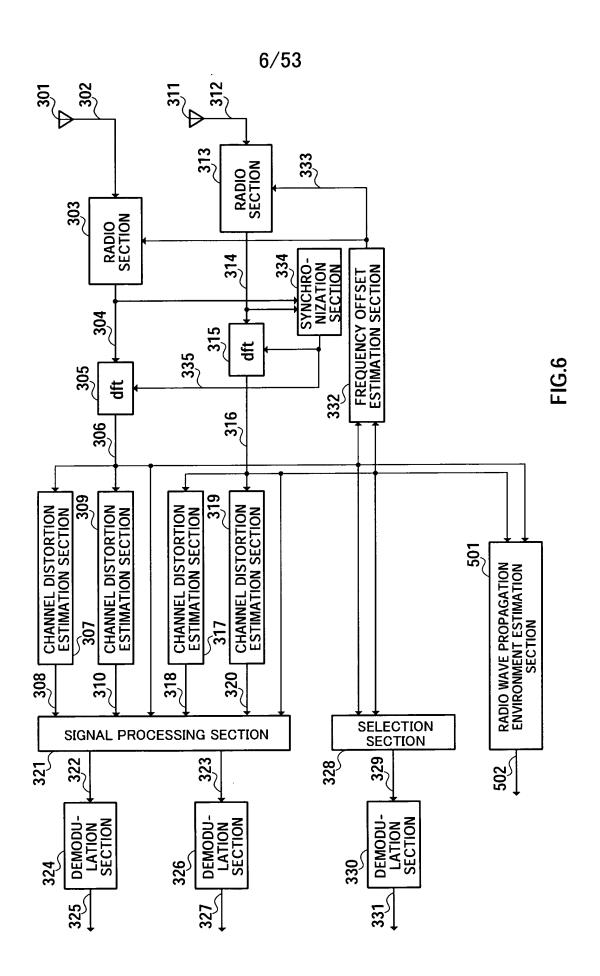


FIG.5



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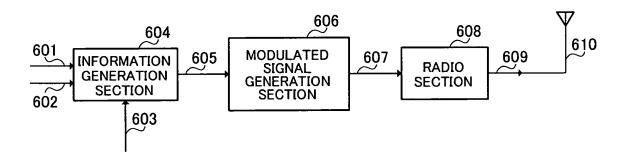


FIG.7

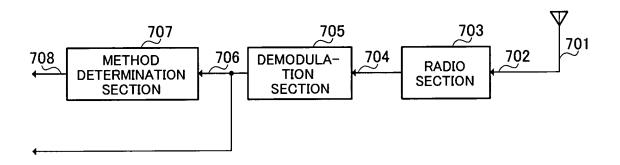
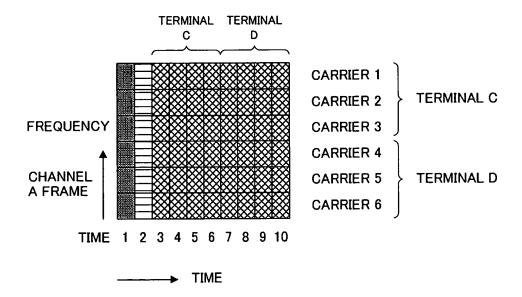
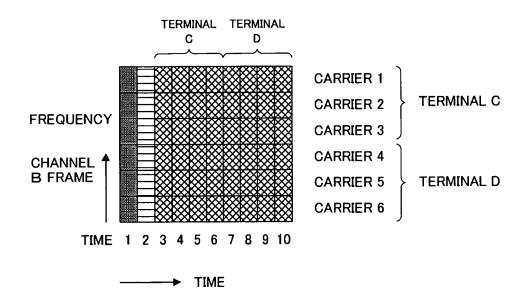


FIG.8

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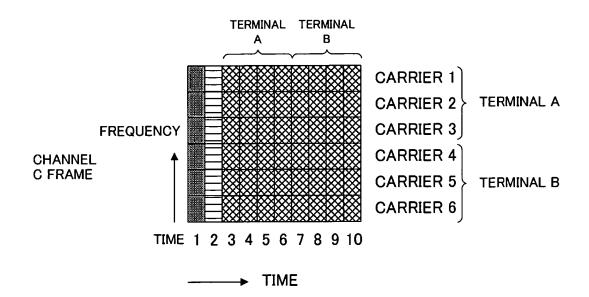
102: INFORMATION SYMBOL

103: ESTIMATION SYMBOL

104: CONTROL SYMBOL

FIG.9

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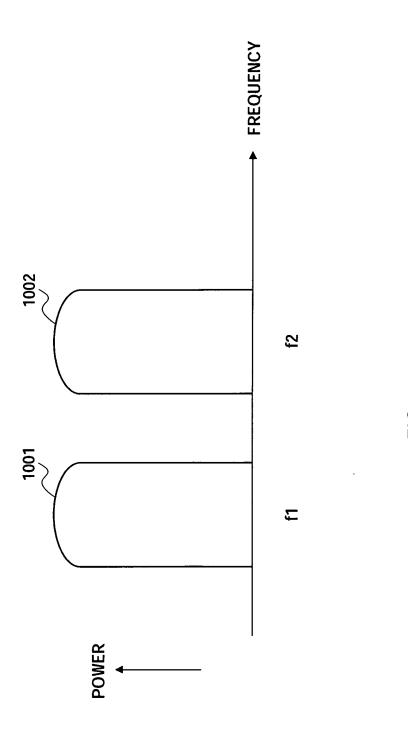


102: INFORMATION SYMBOL

103: ESTIMATION SYMBOL

104: CONTROL SYMBOL

FIG.10



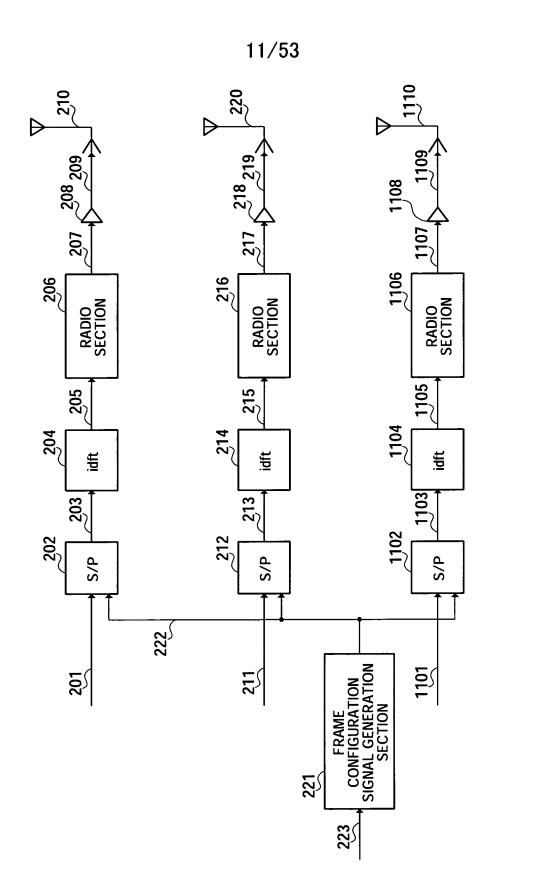
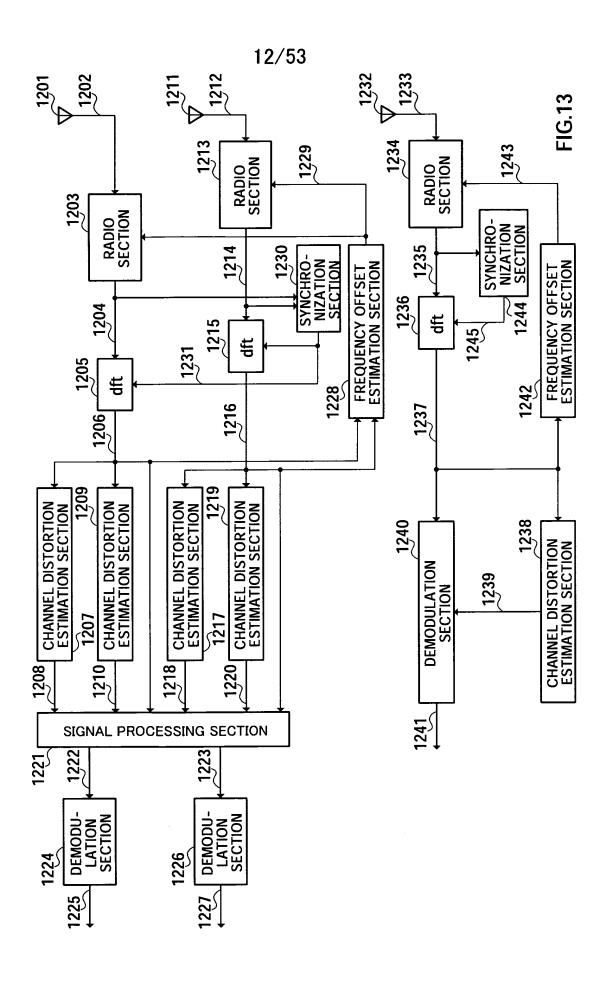
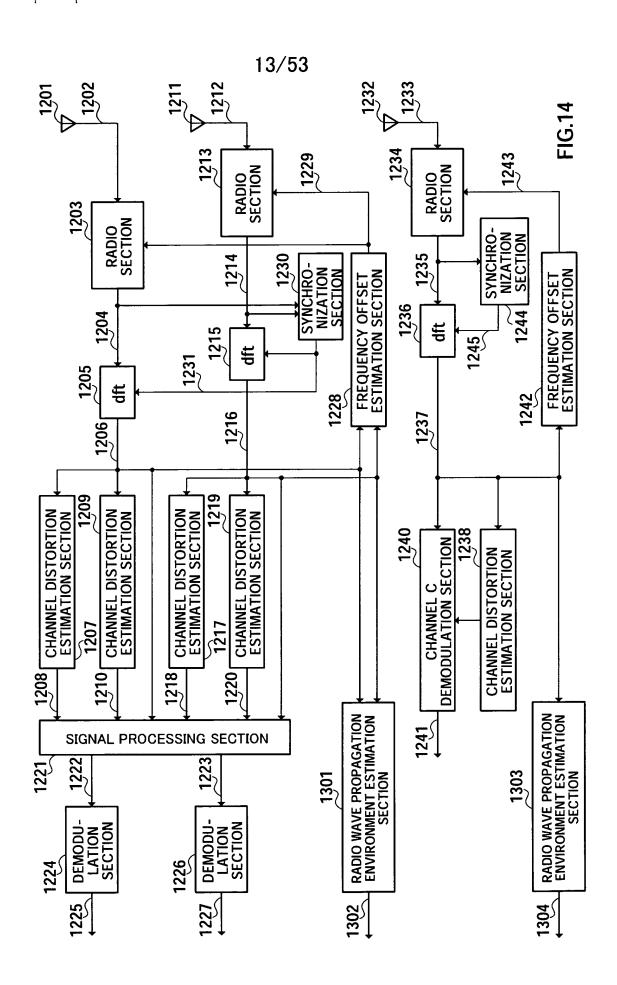


FIG.12





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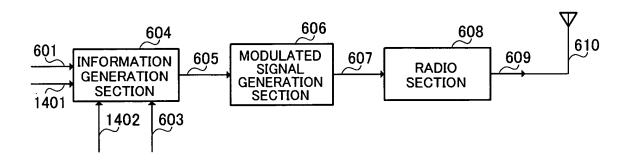
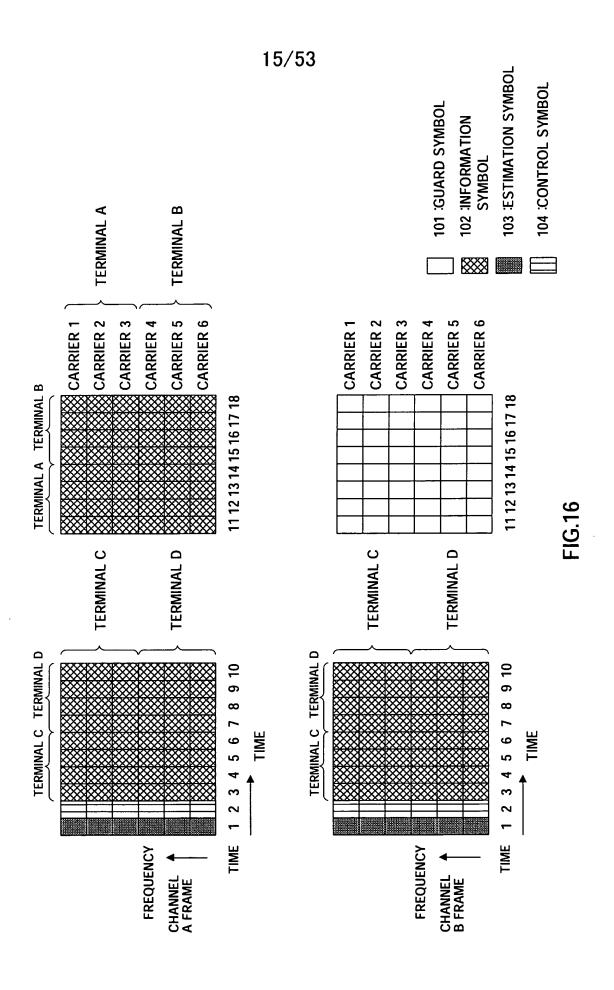
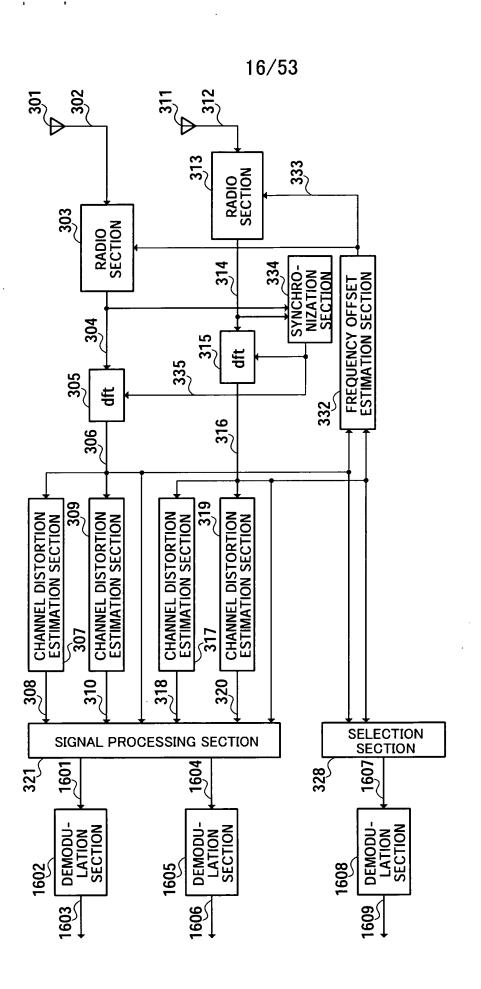


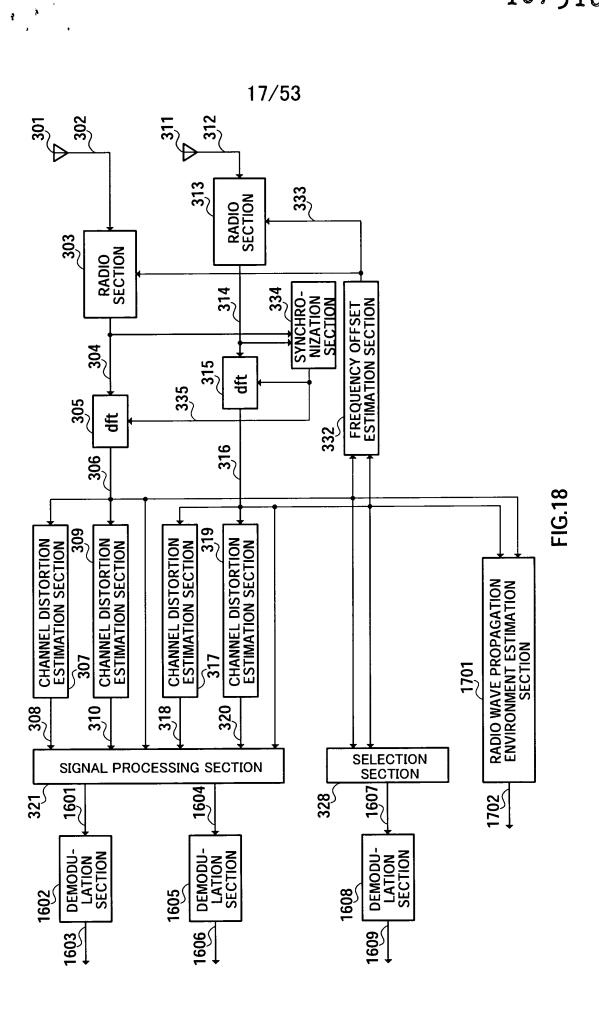
FIG.15



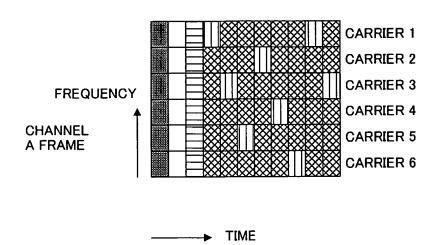


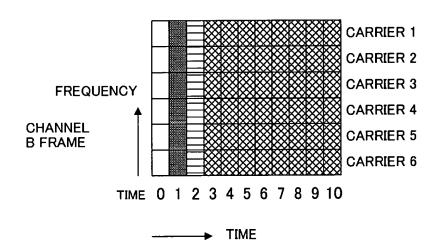
·. • •

FIG.1.



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101: GUARD SYMBOL

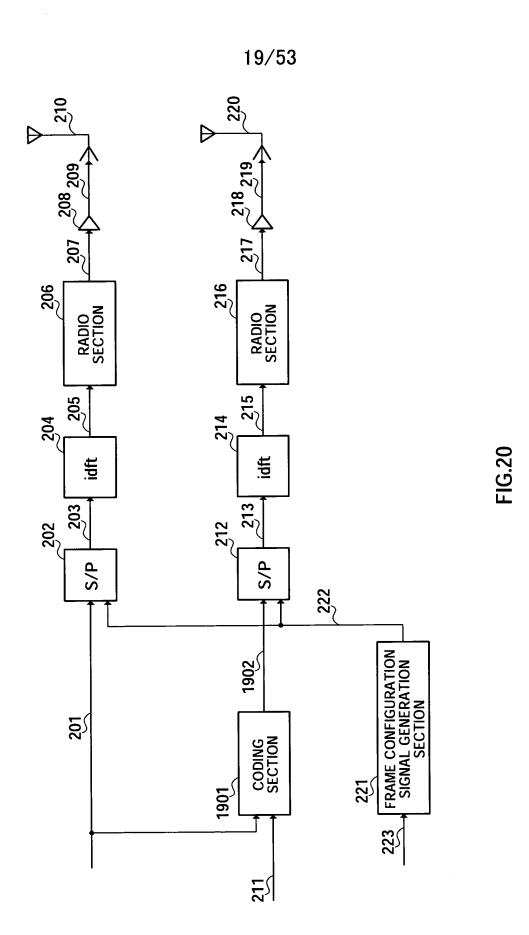
102: INFORMATION SYMBOL

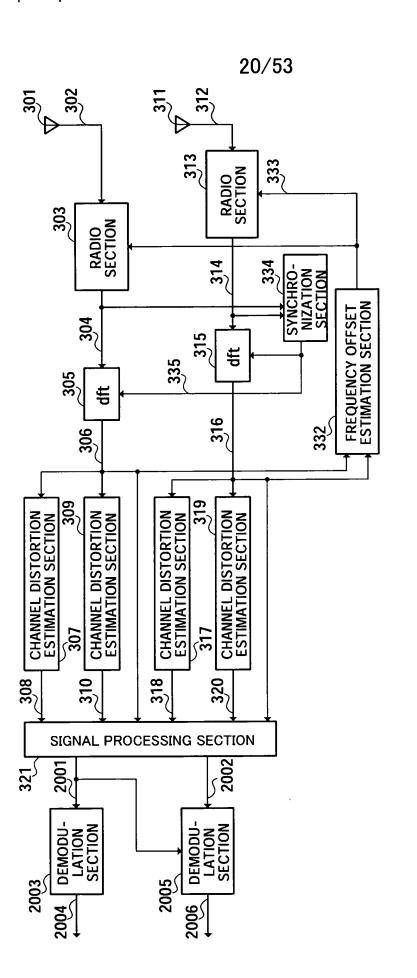
103: ESTIMATION SYMBOL

104: CONTROL SYMBOL

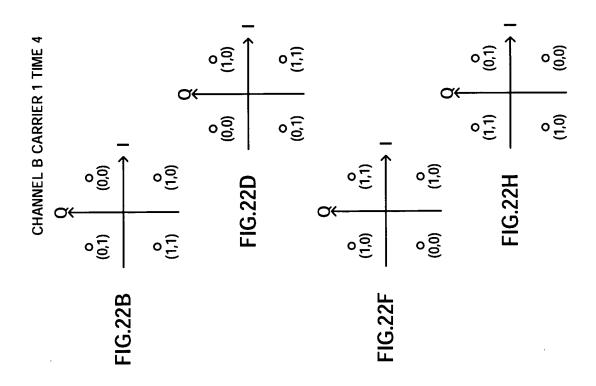
1801: PILOT SYMBOL

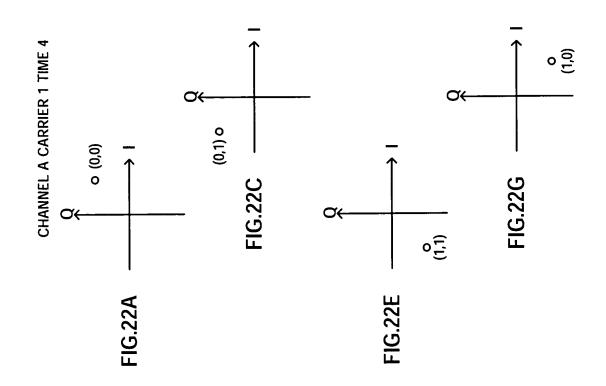
FIG.19

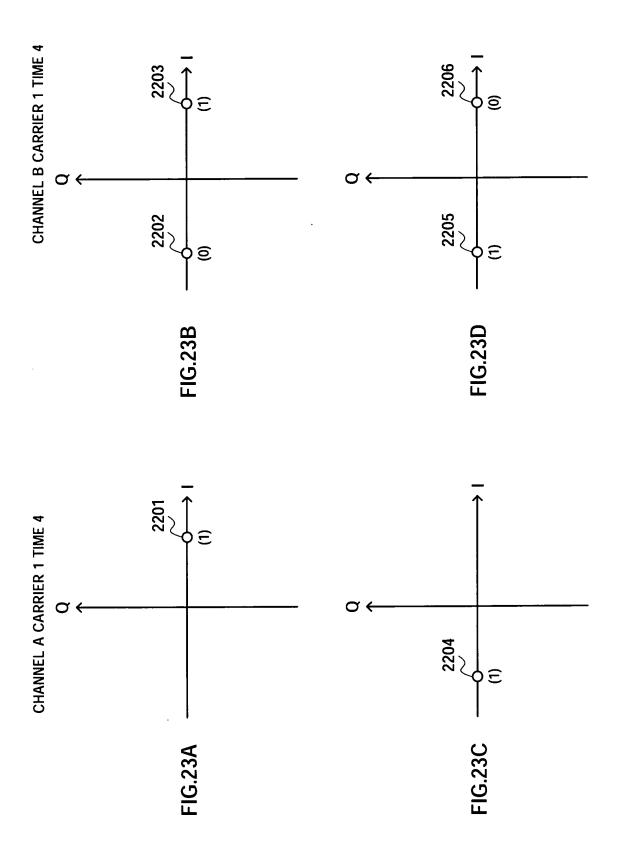


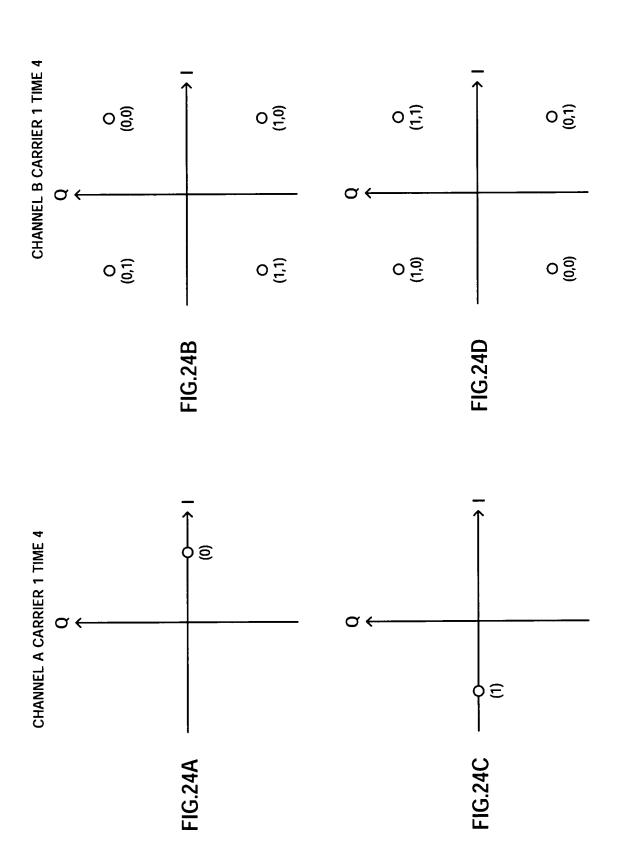


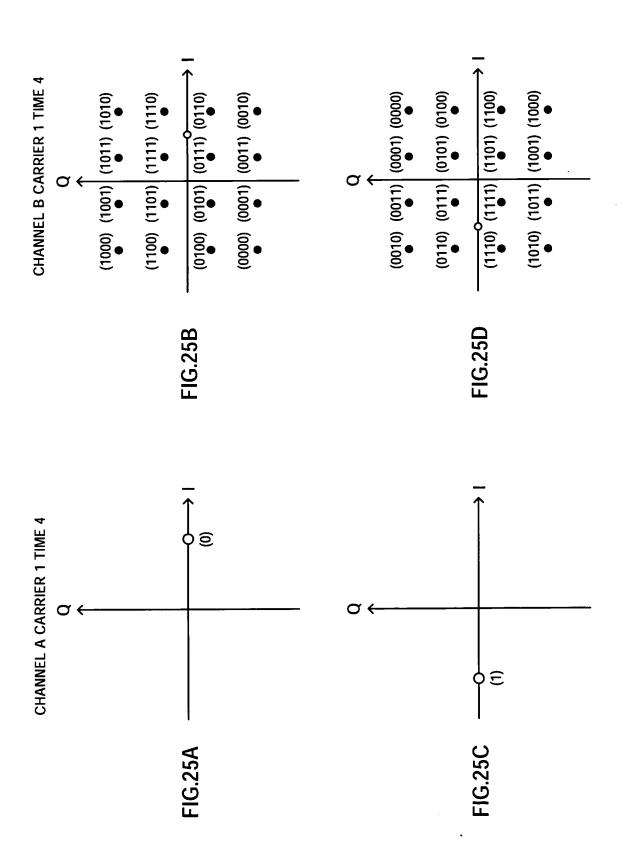
-16.21

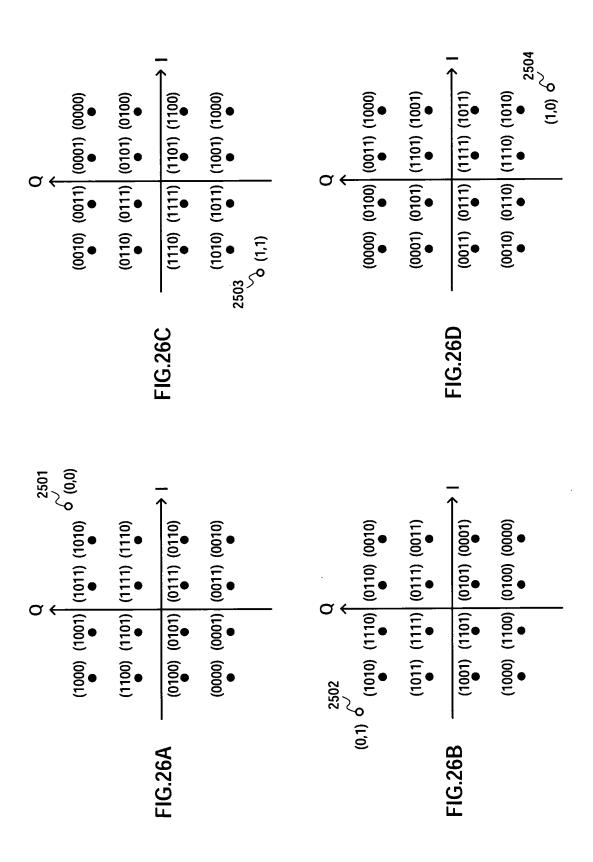




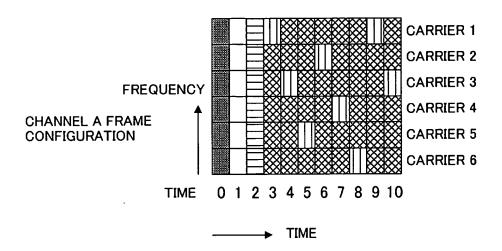




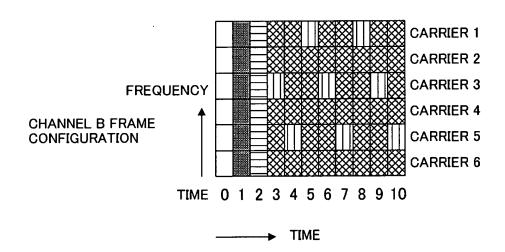




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BASE STATION TRANSMIT SIGNAL FRAME CONFIGURATION



101: GUARD SYMBOL

102: INFORMATION SYMBOL

103: ESTIMATION SYMBOL

104: CONTROL SYMBOL

1801: PILOT SIMBOL

FIG.27

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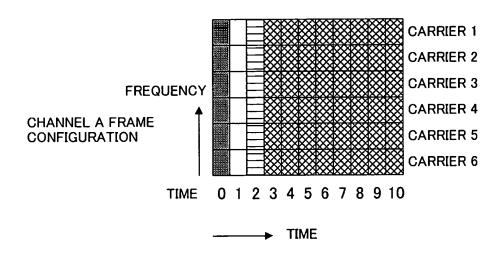
σ ←

O 2701: KNOWN PILOT SYMBOL

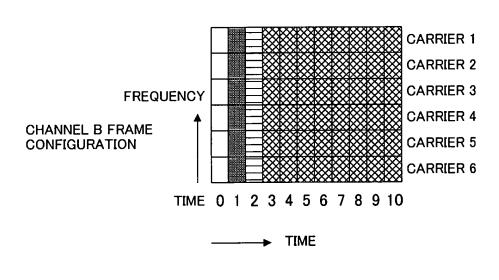
2703: KNOWN BPSK PILOT SYMBOL

FIG.28

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BASE STATION TRANSMIT SIGNAL FRAME CONFIGURATION



101: GUARD SYMBOL

102: INFORMATION SYMBOL

103: ESTIMATION SYMBOL

104: CONTROL SYMBOL

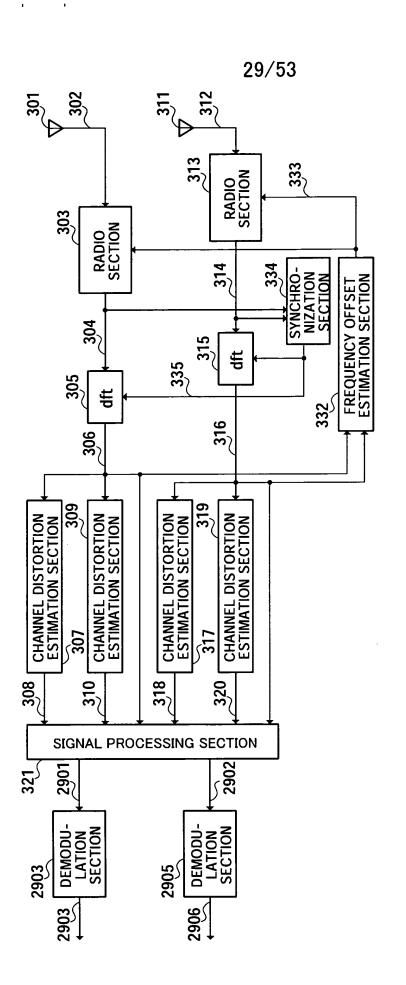


FIG.30

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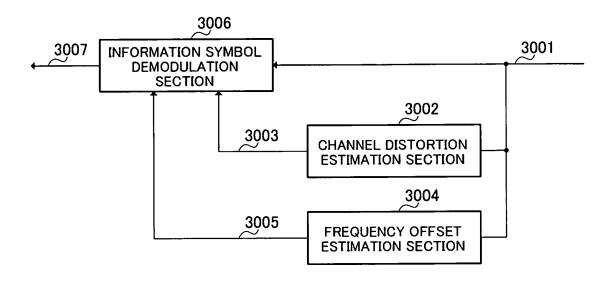


FIG.31

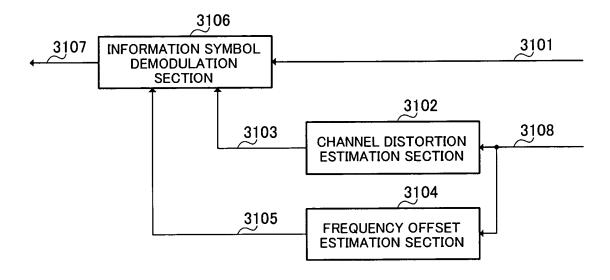


FIG.32

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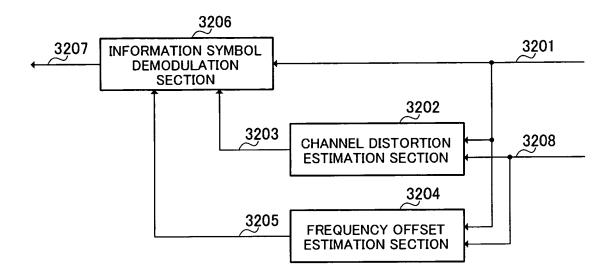


FIG.33

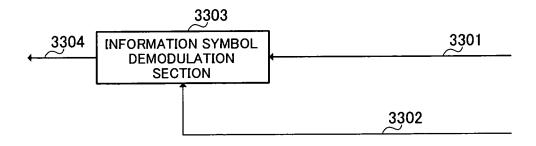


FIG.34

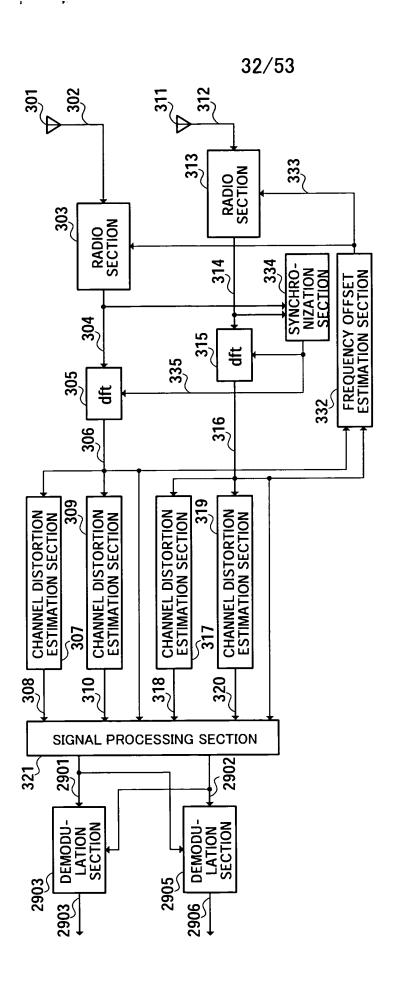


FIG.3

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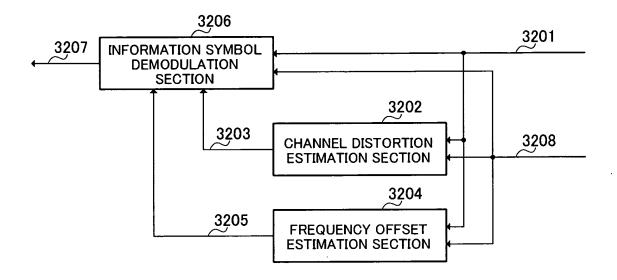


FIG.36

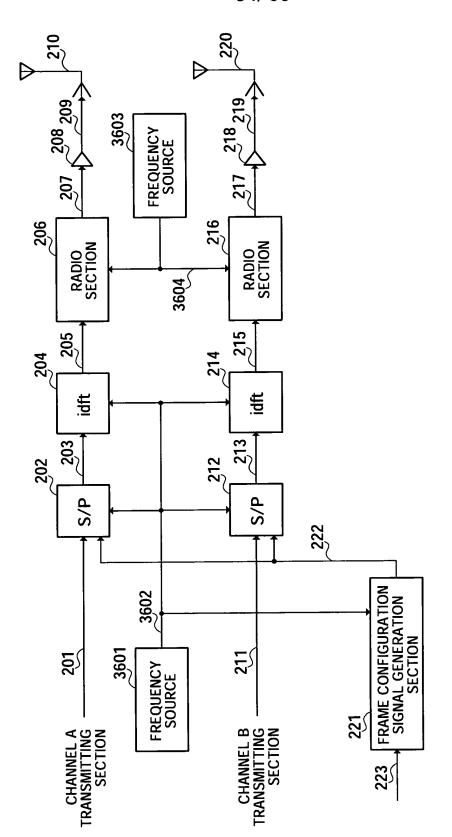
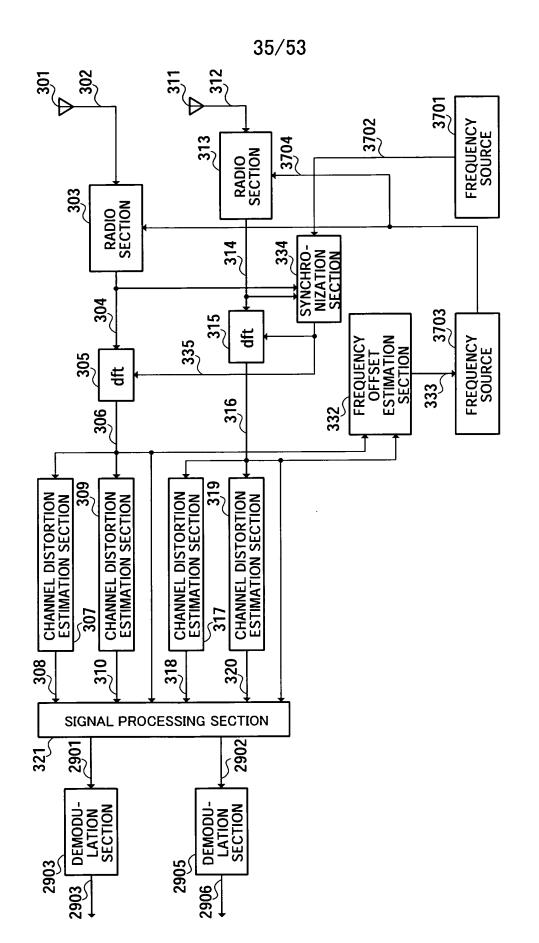
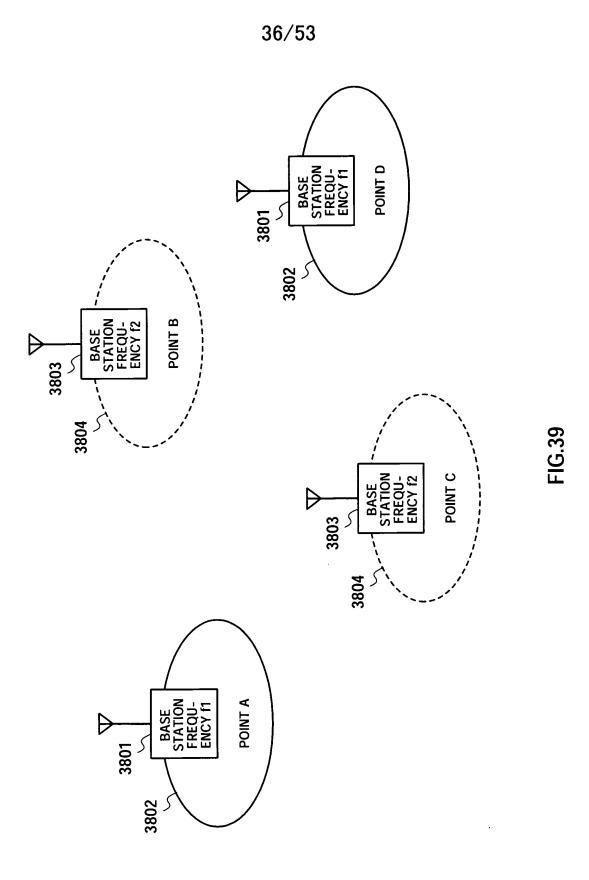


FIG.37



-16.38



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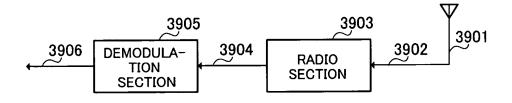


FIG.40

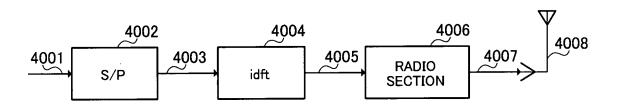
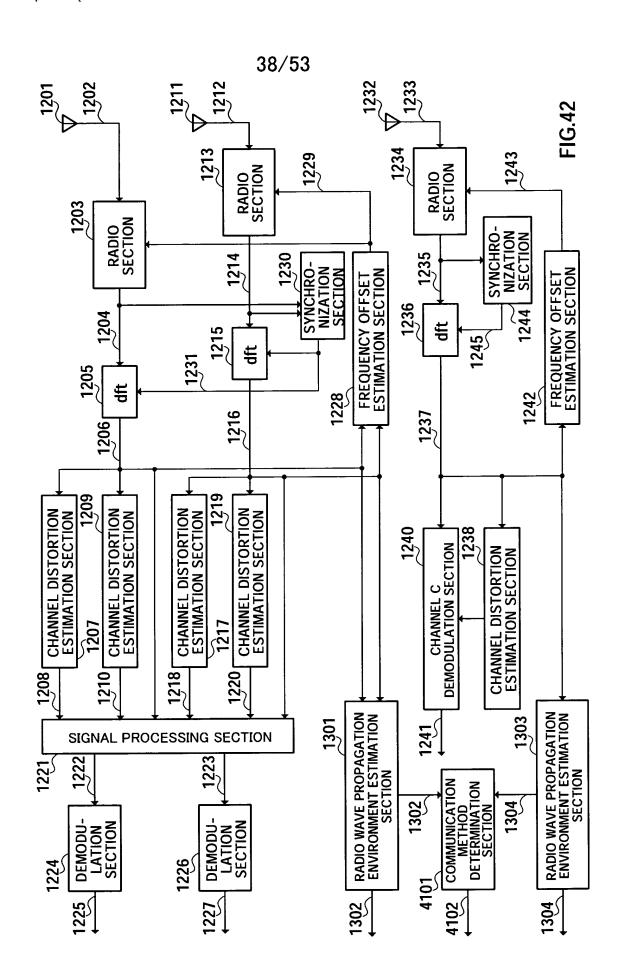


FIG.41



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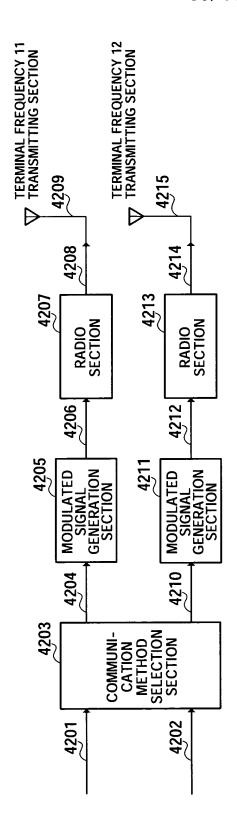


FIG.43

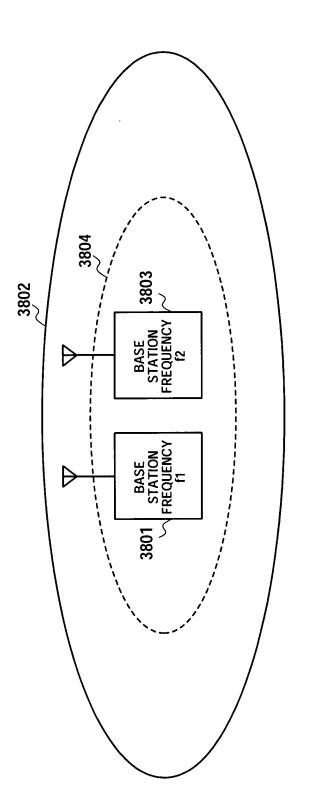
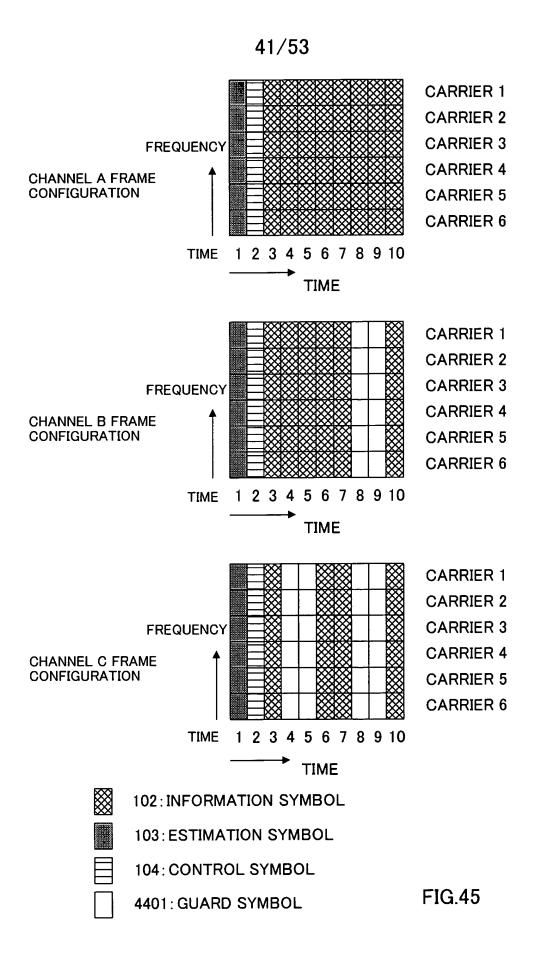
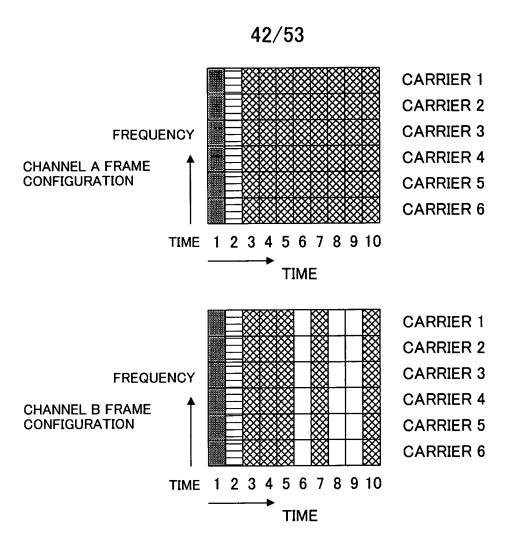


FIG.44





102: INFORMATION SYMBOL
103: ESTIMATION SYMBOL
104: CONTROL SYMBOL
4401: GUARD SYMBOL

FIG.46

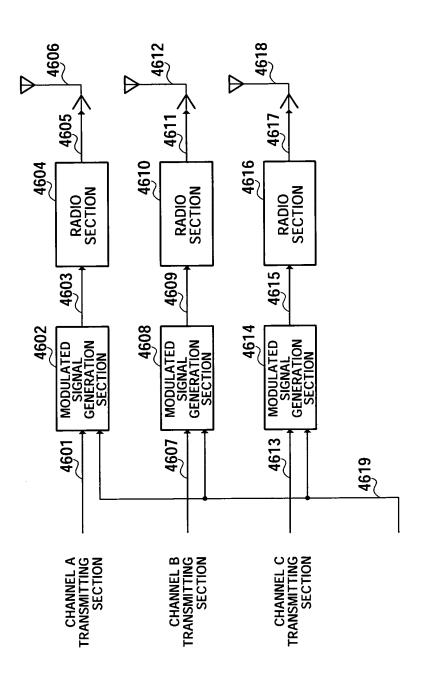


FIG.4

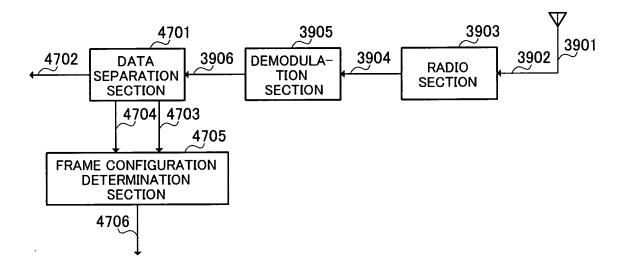
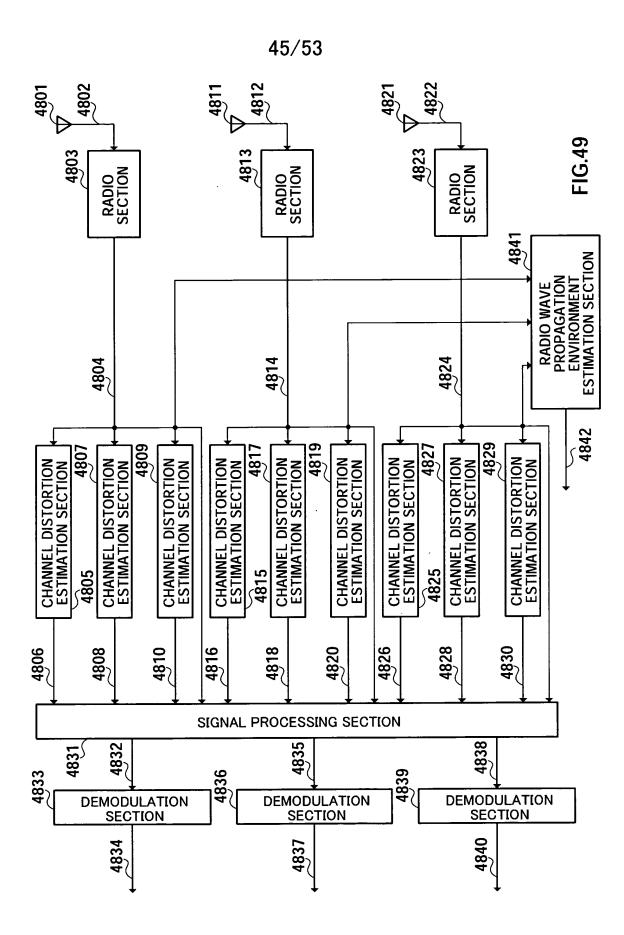


FIG.48



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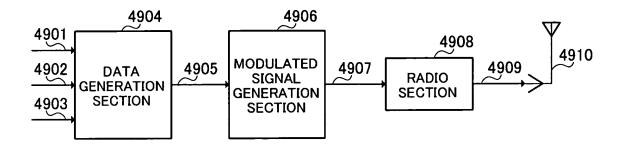
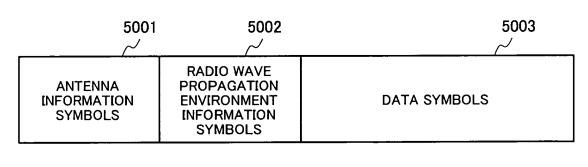
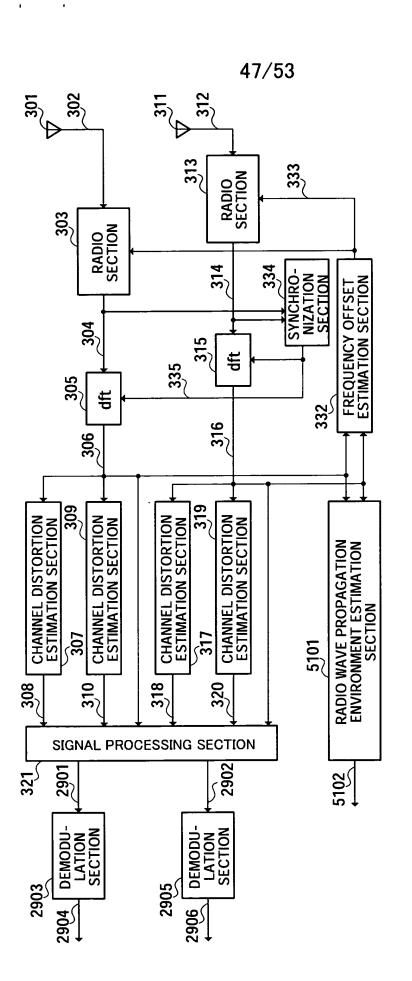


FIG.50



TIME

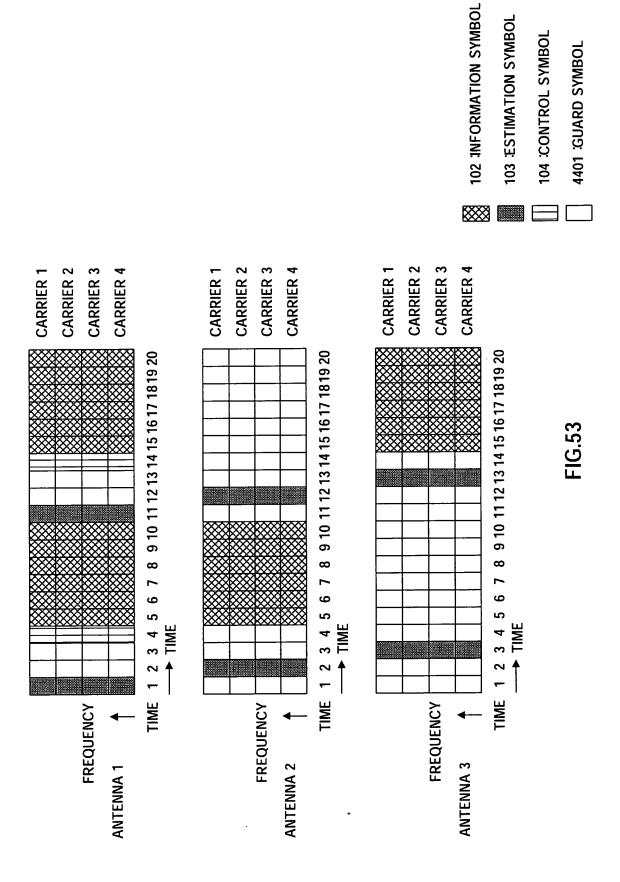
FIG.51

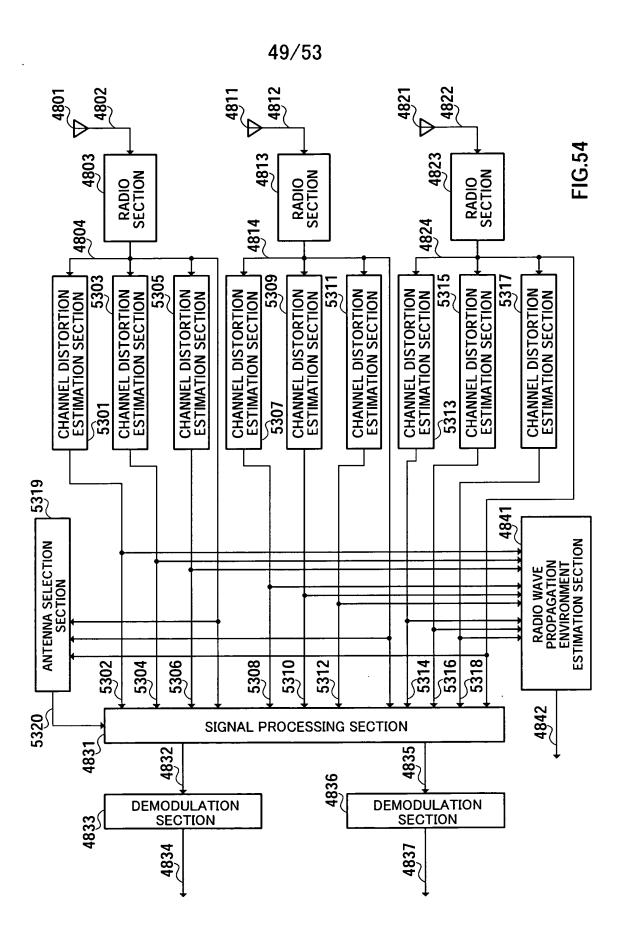


118 4 .

1 .

FIG.52





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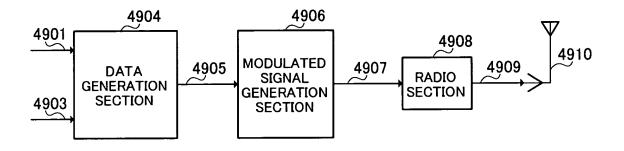


FIG.55

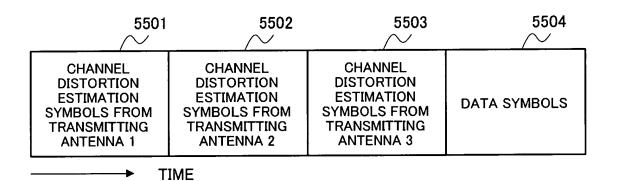


FIG.56

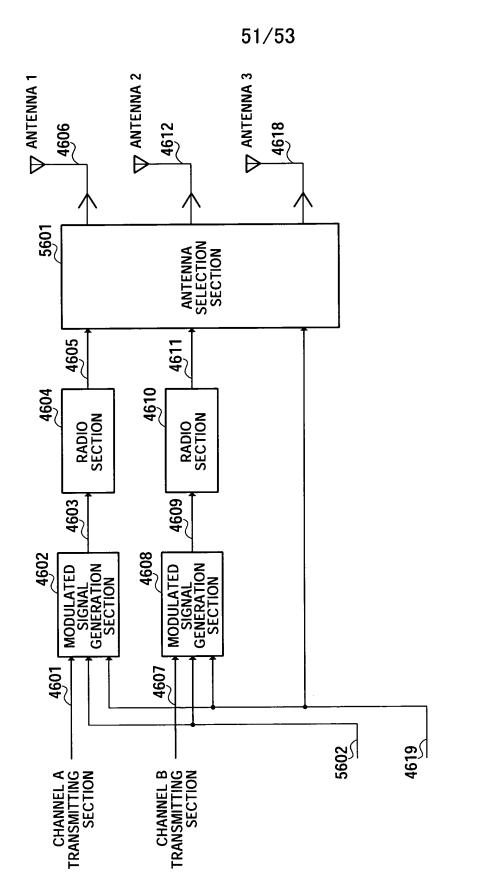


FIG.57

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13.

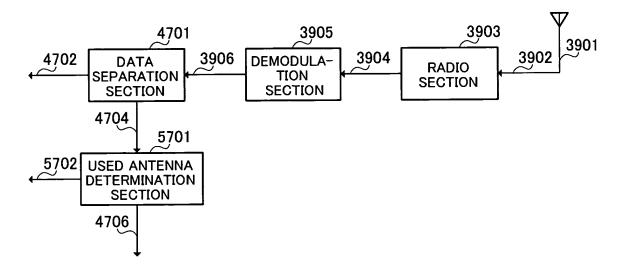


FIG.58

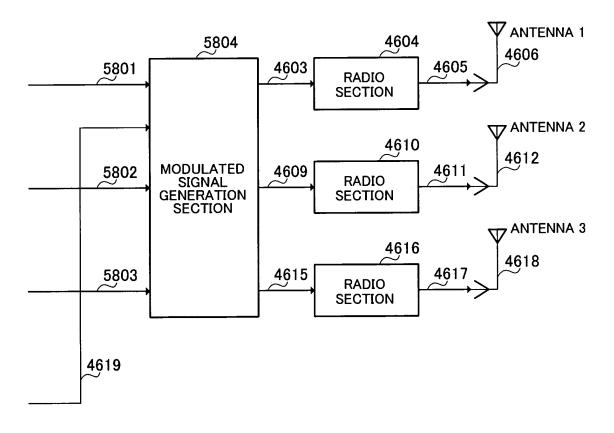


FIG.59

